Internation polication No PCT/J /13332

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 F01D17/16

10/517831

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F01D F02C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
(EP 0 226 444 A (GARRETT CORP) 24 June 1987 (1987-06-24) cited in the application the whole document	1
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A	US 2002/098081 A1 (SCHACHERER ROLAND ET AL) 25 July 2002 (2002-07-25) the whole document	1
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Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but
"A" document defining the general state of the art which is not considered to be of particular relevance	cited to understand the principle or theory underlying the invention
"E" earlier document but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to
"L" document which may throw doubts on priority claim(s) or	involve an inventive step when the document is taken alone
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later than the priority date claimed	*8* document member of the same patent family

Date of the actual completion of the international search

Further documents are listed in the continuation of box C.

Date of mailing of the international search report

Patent family members are listed in annex.

18, 06, 2004

28 May 2004

Authorized officer

Name and mailing address of the ISA

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INTERNATIONAL SECH REPORT

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Α .	US 4 679 984 A (SWIHART WILLIAM R ET AL) 14 July 1987 (1987-07-14)	1
X	abstract; claims 24-28; figures 2-7 column 2, line 57 - line 68 column 3, line 23 -column 4, line 26 column 4, line 49 - line 65	2,8-12
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E	EP 1 394 363 A (BORG WARNER INC) 3 March 2004 (2004-03-03) abstract; figures 1-4 paragraph '0019! - paragraph '0022! paragraphs '0029!, '0032!	2,3,7,9, 11,12
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INTERNATIONAL SEARCH REPORT

International application No. PCT/JP 03/13332

Box I O	bservations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This Interna	ational Search Report has not been established in respect of certain daims under Article 17(2)(a) for the following reasons:
1. CI be	laims Nos.: ecause they relate to subject matter not required to be searched by this Authority, namely:
ь в	laims Nos.: ecause they relate to parts of the International Application that do not comply with the prescribed requirements to such n extent that no meaningful International Search can be carried out, specifically:
	laims Nos.: ecause they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II O	bservations where unity of invention is lacking (Continuation of item 2 of first sheet)
This Interna	ational Searching Authority found multiple inventions in this international application, as follows:
s	see additional sheet
1. X A	s all required additional search fees were timely paid by the applicant, this International Search Report covers all earchable claims.
2. A	s all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment fany additional fee.
3. A	is only some of the required additional search fees were timely paid by the applicant, this international Search Report overs only those claims for which fees were paid, specifically claims Nos.:
4. N	To required additional search fees were timely pald by the applicant. Consequently, this International Search Report is sestricted to the Invention first mentioned in the claims; it is covered by claims Nos.:
Remark o	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claim : 1

A variable nozzle mechanism in an exhaust gas turbocharger in which a second supporting part is provided on the nozzle mount for supporting a drive ring for rotation when the wear/abrasion of a supporting part reaches a predetermined amount.

2. Claims: 2-12

A variable nozzle mechanism in an exhaust gas turbocharger which is constructed like a kind of cartridge.

INTERNATIONAL SEARCH REPORT

informat patent family members

PCT/JP 3/13332

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